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MCGANN. 8vo. Trenton, N. J., 1899. Pp. 205.

This Report contains a relief map of New Jersey, prepared by the Geological Survey of the State, with the note: "The influence of the diversified topography of New Jersey upon its climate is apparent by comparing this relief map with the temperature and rainfall charts which follow." This plan of publishing topographic maps of the different States in the Annual Reports of the Weather Services is an excellent one, and should be generally adopted.

*Rivers of Oregon, Washington, Idaho and Western Montana.* B. S. PAGUE. River Bulletin No. I., 1899, U. S. Department of Agriculture, Weather Bureau. Portland Ore., 1899.

This valuable Bulletin, the first of its series, concerns the precipitation over the Pacific Northwest and the possibility of high water from the melting snow in the mountains. It contains a general forecast of the probable height of the Columbia River in May and June, as dependent upon the temperature conditions and the resulting more or less rapid melting of the snow on the mountains.

*Monthly Rainfall Chart for Fifty Years at San Francisco.* Compiled by HERMAN SCHUSSLER, C. E. Published by the Central Pacific Railroad Company.

A graphic representation of the monthly rainfalls for each year during the past fifty years.

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#### A BRYOLOGICAL MEMORIAL MEETING.

COLUMBUS was the home for many years of William S. Sullivant and Leo Lesquereux, two names which will awaken love and reverence from all students of North American mosses and hepatics. It is twenty-six years since Sullivant died, and this last quarter of a century has seen a marked extension of the limits of bryological study and a large increase in the number of students. It seems a fitting time and place to take a survey of the field, review the past and make plans for the future. Hence it is proposed to make the coming meeting of the American Association for the Advancement of Science, which is to be held at Columbus, the occasion for a Memorial Day in honor of the

Nestors of American Bryology and to call on all botanists and scientific magazines to help to make the occasion a memorable success. It is proposed to present a series of papers, illustrated by photographs, specimens and microscopical slides, books and pamphlets under the following topics:

Historical papers and collections showing the bryological work of Hedwig, Palisot de Beauvois, Michaux, Muhlenberg, Bridel, Torrey, Drummond, Hooker and Wilson, Greville, Sullivant and Lesquereux, James and Watson, Austin, Ravenel, Wolle, Eaton, Faxon and Müller; supplementing these there will be shown collections of specimens, macroscopic and microscopic, illustrating the monographic work of recent American students.

If foreign students who have worked on North America bryophytes can be persuaded to cooperate with us the following will be asked to contribute: Bescherelle, Brotherus, Cardot, Dixon, Kindberg, Mitten, Pearson, Roll, Stephani and Warnstorff.

An effort will be made to secure the loan of type specimens and illustrations from the following sources: The Academy of Natural Sciences of Philadelphia, Academy of Sciences of New York, Columbia University, The National Museum, The Ohio State University, The University of Wisconsin and Yale University, as well as from private collections. It is also intended to exhibit any portraits, autograph letters and type specimens and drawings of special interest, which may be loaned for the occasion, as well as presentation copies of books and pamphlets.

The following committee of organization will gladly answer questions and give assistance to those who wish to contribute: Professor Charles R. Barnes, University of Chicago; Mrs. N. L. Britton, New York Botanical Gardens; Professor W. A. Kellerman, Ohio State University; Dr. George G. Kennedy, Readville, Mass.; Professor L. M. Underwood, Columbia University.

#### SCIENTIFIC NOTES AND NEWS.

THE Royal Institution of Great Britain, in commemoration of its centenary, has elected a number of honorary members, including Professors S. P. Langley, Carl Barus, A. A. Michel-